Revision number: Purchasing Agent: ROSEMARY FRENCHWOOD

Item: ROAD SALT, FOB PLANT PICK UP (REDMOND UTAH)

Vendor: 75791D
(**Ordering Address**) Redmond Minerals
6005 North 100 West
Redmond UT 84652

Internet Homepage: www.iceslicer.com

Telephone: (801)491-4340

Fax number: (801)491-2838

Contact: Rusty Bastian

Email address: Rustyb@redmondminerals.com

Brand/trade name:

Price:	See Attached
Terms:	None
Effective dates:	10/02/01 through 10/01/02
Days required for delivery:	N/A
Price guarantee period:	1 Year
Minimum order:	
Min shipment without charges:	See attached freight charges
Other conditions:	No renewal options available

THIS IS A NEW CONTRACT.

Remittance Address: 743 W. 1200 N. Ste. 200
Springville UT 84663

This contract covers only those items listed in the price schedule. It is the responsibility of the agency to ensure that other items purchased are invoiced separately. State agencies will place orders directly with the vendor (creating a PG in Finet) and make payments for the same on a PV referencing the original PG. Agencies will return to the vendor any invoice which reflects incorrect pricing.

Road Salt, Type A: $17.50/ton
Road Salt, Type B: $17.50/ton
Road Salt, Type C: $17.50/ton
Road Salt, Type D: $17.50/ton

Freight Charges:

$.095 per US ton/mile

SPECIFICATIONS:

General:
1. Moisture Content: Maximum 3.0% by weight using ASTM D1411.

2. Melting Activity: Active at 5EF ambient temperature. Supplier certifies material meets SHRP H-205.1 for effectiveness.

3. Gradation: Meets the following gradation using ASTM C136:

Sieve Size	**Percent Passing**
½"	100
3/8"	90-100
# 4	75-100
# 8	40-80
#16	15-45
#50	0-10

4. Chemical Constituents:
   a. Do not supply products containing constituents exceeding total concentration limits listed in b. Test according to methodology listed below. Measure base product concentration levels prior to anti-freeze or chemical adulterant addition.
   b. Chemical contaminant limit stated as parts per million (ppm).

Chemical	Concentration (ppm)
Phosphorus	25.00
Arsenic	5.00
Copper	0.20
Lead	1.00
Mercury	0.05
Cadmium	0.20
Barium	10.00
Selenium	5.00
Zinc	10.00

C. Chemical constituent test methods:

1). Total phosphorus as described in "Standard Methods for the Examination of Water and Waste Water", APHA-AWWA-WEF. Total phosphorus shall be determined upon a 1% test solution. The Total Phosphorus value determined from the 1% solution is the value to be reported without being calculated for the dilution. The test solution should be prepared by placing 10 ml of sample into 500 ml of ASTM D1193 Type II distilled water contained in a 1 L volumetric flask to which 2.5 ml 1 + 1 sulfuric acid has been added. Swirl the contents and make up to 1000 ml with distilled water**.**

2). Total cyanide as described in "Standard Methods for the Examination of Water and Waste Water", APHA-AWWA-WEF.

3). Total arsenic, barium, cadmium, chromium, copper, lead, selenium and zinc: Atomic Absorption Spectrophotometry or Plasma Emission Spectroscopy as described in "Standard Methods for the Examination of Water and Waste Water", APHA-AWWA-WEF.

4). Total mercury: Cold Vapor Atomic Absorption Spectrophotometry as described in "Standard Methods for the Examination of Water and Waste Water", APHA-AWWA-WEF.

B. Class A Sodium Chloride, Untreated: Minimum 92.0% NaCl by weight using ASTMD1411.

C. Class B Sodium Chloride, Non-Caking: Minimum 92.0% NaCl by weight using ASTM D1411. Yellow Prussiate of Soda (YPS) or other approved chemical is added uniformly to the sodium chloride at a rate greater than 200 parts per million to produce non-caking material when subjected to the following test:

Material is exposed to two (2) twenty-four (24) hour moisture cycles from 3% minus moisture by weight to 25% plus moisture and back to 3% moisture.

Add Yellow Prussiate of Soda prior to stockpiling. YPS addition produces a uniform coating throughout stockpile.

D. Class C Sodium Chloride, Freeze Resistant: Minimum 92.0% NaCl by weight using ASTM D1411. Includes YPS as specified for Class B. Additional approved chemicals are added to depress freezing point of the salt in the stockpile to 0EF. Add anti-freeze chemicals uniformly prior to stockpiling. Submit freeze point depressant chemical additives and method of introduction.

E. Class D Sodium Chloride, High Performance Grade: Minimum 92.0% NaCl by weight using ASTM D1411. May include YPS. Meets Class C Sodium Chloride specification. Measure performance compared to bakers grade sodium chloride. Test at 25EF, 20EF and 5EF

1. Melting power exceeds bakers grade salt by 100% total volume melt using SHRP H-205.1 at 5EF
2. Melting power exceeds bakers grade salt by 50% total volume melt using SHRP H-205.1 at 25EF
3. Ice penetration exceeds bakers grade sodium chloride by 60% in one hour using SHRP H-205.5 at 20EF
4. Corrosiveness is 50% less corrosive than bakers grade sodium chloride measured using ASTM B117.
5. Color is discernibly dark, distributed homogeneouly throughout entire granule, non-fading, and non-leaching.

F. Testing Cost: Supplier pays costs incurred in procuring and testing materials found outside specification.

REPORTS:

The contractor will submit yearly reports to the State Purchasing Agent (Rosemary Frenchwood) showing quantities and dollar volume of purchases by each agency and political subdivision. This report will be due by 8/1/02.

This contract resulted from Bid# RF2025.

FINET COMMODITY CODE(S):**for agency use only**

77545000000-ROAD MAINTENANCE SALT

90634000000-FREIGHT HANDLING; MATERIALS HANDLING